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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/664,174

09/17/2003

Jong Min Lee

03-4279

3341

28143

7590

08/10/2005

NATTER & NATTER

501 FIFTH AVENUE

SUITE 808

NEW YORK, NY 10017

EXAMINER

STERLING, AMY JO

ART UNIT

PAPER NUMBER

3632

DATE MAILED: 08/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/664,174

Applicant(s)

LEE ET AL.

Examiner

Amy J. Sterling

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 9/29/03.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

This is the first Office Action for application number 10/664,174, Latch System for Video Monitor, filed on 9/17/03. Claims 1-14 are pending.

Information Disclosure Statement

The information disclosure statement submitted on 9/29/03 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "concave recess" (claim 2), "concave finger well" (claim 9), "the touch contact projecting from a contact plate, the contact plate being mounted to the interior of the console and the touch contact projecting through an aperture in the console" (claim 10), "remote control sensor" (claim 13), "membrane keyboard" (claim 14) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure

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is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

Claim 1 is objected to because of the following informalities:

Claim 1 recites a "storage cavity" in line 2 and then a "stowage cavity" in line 8, these terms should be changed to be the same.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 2, 6, 9, 10, 13 and 14 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject

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matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claim 2 recites, "a concave recess" and the specification does not adequately teach such a feature.

Claim 6 recites, "a display driving circuit" and a "display housing position sensor carried by the console" and the specification does not adequately describe either limitation.

Claim 9 recites, "a concave finger well" and the specification does not adequately teach such a feature.

Claim 10 recites, "the touch contact projecting through an aperture in the console". The specification does not adequately teach the contacts projecting through an aperture.

Claim 13 recites a "remote control sensor" and the specification does not adequately teach this device.

Claim 14 recites, "a membrane keyboard" and the specification does not adequately teach this device.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 6-9, 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent Publication No. 2001/0013742 to Lu, and in view of United States Patent No. 6412848 to Ceccanese et al.

Lu discloses applicant's basic inventive concept having a console (1) with a storage cavity dimensioned to receive a moveable member (2) and having a releasable latch system having a detent pin (321) extending through an aperture (121), the moveable member having a receptacle (21) formed in a wall and in registration with the aperture when the display housing is in a stowed position within the cavity, the detent pin being normally biased to extend through the aperture and into the receptacle when the moveable member is in the stowed position, a solenoid (30) carried in the console, having a slideable core, the detent pin (321) being positioned at the end of the core, a touch sensor (100) and a circuit (See Fig. 1) including a display driving circuit and a display housing position sensor, operatively connected to the touch sensor and the solenoid for actuating the solenoid. Lu also teaches a processor (See Fig.1) connected to the circuit for actuating the solenoid, a processor input device, the processor receiving a signal from the input and in response to generating a signal for actuating the solenoid, the circuit actuating the solenoid.

Lu does not specifically teach that the moveable member is a display housing or that the touch sensor is positioned in a concave recess or concave finger well.

Ceccanese et al. teaches a display housing (12) with a latch system (28) with a concave recess or finger well and a touch sensor (28) positioned therein, and a console (14) with a cavity (34) for receiving the display housing, used for moving and storing a video monitor, the recess being capable of housing the sensor. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made from the teachings of Ceccanese et al. to have used a display housing as the moveable member in Lu in order to have a moveable and stowable video monitor.

Claims 4, 5 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent Publication No. 2001/0013742 to Lu, and in view of United States Patent No. 6412848 to Ceccanese et al. as applied to claim 1 above and further in view of United States Patent Publication No. 2004/0012570 to Cross et al.

Lu and Ceccanese et al. disclose the basic inventive concept as shown above with the exception that they do not teach wherein the touch sensor has electrical contacts projecting through an aperture in the console and a plurality of input devices.

It would be obvious to use a plurality of input devices instead of just one in case one isn't working properly and Cross et al. teaches a touch sensor with electrical contacts (530B), the projecting of the contacts being design choice for use with the device as described above, used for making an electrical connection upon activation of the device. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made from the teachings Cross et al. to have electrical contacts in the touch sensor.

Claim 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent Publication No. 2001/0013742 to Lu, and in view of United States Patent No. 6412848 to Ceccanese et al. as applied to claim 11 above and further in view of United States Patent Publication No. 2004/0195845 to Chevalier.

Lu and Ceccanese et al. disclose the basic inventive concept as shown above with the exception that they do not teach wherein the input device has a remote control sensor.

Chevalier teaches an electronic latch arrangement which has an input device with a remote control sensor (11) for remote control access. Therefore, it would have been obvious to one of ordinary skill in the art from the teachings of Chevalier to have added remote control access including a remote control sensor.

Claim 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent Publication No. 2001/0013742 to Lu, and in view of United States Patent No. 6412848 to Ceccanese et al. as applied to claim 11 above and further in view of United States Patent Publication No. 2004/0264851 to Amiri.

Lu and Ceccanese et al. disclose the basic inventive concept as shown above with the exception that they do not teach wherein the input device is a membrane keyboard.

Amiri teaches an input device (48) which is a membrane keyboard, used for its small size and versatility. Therefore, it would have been obvious to one of ordinary skill

in the art from the teachings of Amiri to have used a membrane keyboard for input information.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following documents show various show various display devices or latching devices

2004/0189881 to Cook et al.

2001/0052839 to Nahata et al.

6848729 to Caspi et al.

6615625 to Davis

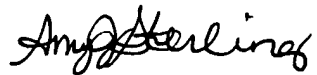
6484993 to Huffman

5216909 to Armoogam

Any inquiry concerning this communication should be directed to Amy J. Sterling at telephone number 571-272-6823. The examiner can normally be reached (Mon-Fri 8am-5:00pm). If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Robert Olszewski can be reached at 571-272-6788. The fax machine number for the Technology center is 571-273-8300 (formal amendments), informal amendments or communications 571-273-6823. Any inquiry of a general nature or

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relating to the status of this application should be directed to the Technology Center
receptionist at 571-272-3600.

A handwritten signature in black ink, appearing to read "Amy J. Sterling". The signature is fluid and cursive, with the first name "Amy" and last name "Sterling" clearly distinguishable.

Amy J. Sterling
7/28/05